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A Bibliography of Terrestrial Isopods (Crustacea: Isopoda: Oniscidea)

By Helmut Schmalfuss and Karin Wolf-Schwenninger, Stuttgart

Summary

A reference list is presented containing most scientific publications on the biology of terrestrial isopods (suborder Oniscidea) published in a European language until the year 2000. Not considered are popular accounts, textbooks, faunal lists and preliminary reports if these are summarised in later publications, and publications before 1850 if they do not contain descriptions of new species.

Zusammenfassung

Die vorliegende Bibliografie enthält die meisten wissenschaftlichen Publikation über die Biologie der Landisopoden (Unterordnung Oniscidea), die in einer europäischen Sprache bis zum Jahre 2000 veröffentlicht wurden. Nicht berücksichtigt sind populärwissenschaftliche Artikel, Lehrbücher, Faunenlisten und vorläufige Berichte, wenn diese in einer späteren Publikation zusammengefasst werden, und Publikationen vor 1850, wenn sie keine Beschreibungen von neuen Arten enthalten.

1. Introduction

In the present list we tried to compile a complete bibliography of scientific publications on the isopodan suborder Oniscidea, covering all biological research fields. Such a list on a group of animals comprising some 3800 described species will, of course, never be complete. We shall certainly have missed a number of publications, especially in those more general topics as physiology, genetics, biochemistry, endocrinology etc. Nevertheless we think it will be useful for every student of this taxon to dispose of such a list which can be scrutinised for publications of a certain field of interest. This should justify to publish a bibliography, the reason to do it was, however, another one. We intend to publish in the near future a world list of all described species of terrestrial isopods, with detailed bibliographies for every species. This will be done in several parts, and the present bibliography will have to be used as the reference list.

In the present list we have, on purpose, not included:

1. Popular accounts without new scientific information;
2. textbooks and treatises which do not contain new data or conceptions;
3. publications consisting only of faunistic records of common or widespread species;
4. reports on excursions with lists of the collected species if these are summarised in later publications;
5. preliminary reports on results treated in detail in later publications;
6. unpublished theses (Ph. D. or other);
7. electronic publications not published in a printed form;
8. publications that do not contain at least a title and summary written in Latin or Cyrillic letters (as e. g. papers written in Chinese). In the case of Russian publications the titles are either transcribed in Latin letters, or they are translated into English and put in square brackets;
9. publications before 1850 if they do not contain descriptions of new species; most of this older literature is compiled in the bibliography of BUDDE-LUND 1885.

The list contains publications that have appeared until the year 2000.

For journals abbreviations are used according or comparable to those given in the *World List of Scientific Periodicals*. Other publications are cited *at full length*.

The arrangement of publications from the same author(s) and year (a, b, c....) is, for practical reasons, not necessarily chronological.

2. Publications on terrestrial Isopoda (suborder Oniscidea)

ABBOT, C. (1918): Reactions of land isopods to light. – J. exp. Zool. **27**: 193–246; Philadelphia.

– (1940): Shore isopods: Niches occupied, and degrees of transition toward land life with special reference to the family Ligydidae. – Proceedings 6th Pacific Science Congress **3**: 505–511; Java.

ABE, T. & IKEHARA, S. (1981): Ecological distribution of terrestrial isopods in the subtropical uninhabited islands (Uotsuri-jima and Minami-kojima, the Senkaku Islands, Japan). – Bull. Coll. Sci. Univ. Ryukyus **31**: 61–70; Naha.

ABRAHAM, A. & WOLSKY, A. (1929): Über die Nerven und Nervenendigungen der Antennen einiger Landasseln. – Zool. Anz. **84**: 316–323; Leipzig.

– & – (1930 a): Über ein neues Sinnesorgan der Landisopoden. – Zool. Anz. **87**: 87–93; Leipzig.

– & – (1930 b): Die Geruchsorgane der Landisopoden. – Z. Morph. Ökol. Tiere **17**: 441–463; Berlin.

ABSOLON, K. (1933): O temnostnich balkanskych Titanethech. – Přiroda, Brno **26**: 49–54; Brno.

ABSOLON, K. & STROUHAL, H. (1932): *Protonethes ocellatus* nov. gen., nov. spec., eine neue Höhlen-Trichoniscide. – Zool. Anz. **101**: 17–28; Leipzig.

ACCOLA, S., TOMESCU, N., BERCIU, C. & RUSU, C. (1993): The reproduction of *Trachelipus difficilis rotundatus*. – Revue roum. Biol. (Biol. anim.) **38**: 115–121; Bucharest.

ADAMKEWICZ, S. (1969): Color polymorphism in the land isopod *Armadillidium nasatum*. – Heredity **24**: 249–264; London.

AFONSO, O. (1978): Une nouvelle espèce d'isopode troglobie du Portugal. – Publções Inst. Zool. Dr. Auguste Nobre **140**: 9–23; Coimbra.

AHMED, M. (1974): Studies on certain species of terrestrial Isopoda from Basrah region, Iraq. – Bull. Basrah nat. Hist. Mus. **1**: 17–42; Basrah.

AKAHIRA, Y. (1956): The function of thoracic processes found in females of the common woodlouse, *Porcellio scaber*. – J. Fac. Sci. Hokkaido Univ. (6) **12**: 493–498; Sapporo.

– (1957): Effects of certain physiological solutions on the embryo of a terrestrial isopod, *Porcellio scaber*. – J. Fac. Sci. Hokkaido Univ. (6) **13**: 359–363; Sapporo.

AL-DABBAGH, K. & BLOCK, W. (1981): Population ecology of a terrestrial isopod in two Breckland grass heaths. – J. Anim. Ecol. **50**: 61–77; Cambridge.

AL-DABBAGH, K. & MARINA, B. (1986): The effect of starvation and breeding conditions on the respiration rate of *Metoponorthus pruinosus*. – Ekol. pol. **33**: 705–714; Warsaw.

ALEXANDER, C. (1969): Structure and properties of mechanoreceptors in the pereiopods of *Ligia oceanica*. – Comp. Biochem. Physiol. **29**: 1197–1205; London.

– (1970): Studies on the nervous system of an isopod crustacean, *Ligia oceanica*. – Comp. Biochem. Physiol. **33**: 323–332; London.

– (1971): Observations on receptor mechanisms in *Ligia oceanica*. – Comp. Biochem. Physiol. **40 A**: 339–347; London.

– (1972): Locomotion in the isopod crustacean, *Ligia oceanica*. – Comp. Biochem. Physiol. **42 A**: 1039–1047; London.

– (1977): Antennal sense organs in the isopod *Ligia oceanica*. – Mar. Behav. Physiol. **5**: 61–77; London.

ALIKHAN, M. (1968 a): The behaviour of *Metoponorthus pruinosus* in relation to humidity.- Curr. Sci. **37**: 78; Bangalore.

– (1968 b): The physiology of the wood-louse, *Porcellio laevis*. II. The occurrence of the goblet cells in the gut epithelium. – Curr. Sci. **37**: 499–500; Bangalore.

– (1968 c): The internal anatomy of the woodlouse, *Metoponorthus pruinosus*. – Can. J. Zool. **46**: 321–327; Ottawa.

– (1969): The physiology of the wood-louse, *Porcellio laevis*. I. Studies on the gut epithelium cytology and its relation to the maltase secretion. – Can. J. Zool. **47**: 65–75; Ottawa.

– (1972 a): Haemolymph and hepatopancreas copper in *Porcellio laevis*. – Comp. Biochem. Physiol. **42 A**: 823–832; London.

– (1972 b): The fine structure of the midgut epithelium in the wood-louse, *Porcellio laevis*. – Crustaceana, Suppl. **3**: 101–109; Leyden.

– (1972 c): Changes in the hepatopancreas metabolic reserves of *Porcellio laevis* during starvation and the moult-cycle. – Am. Midl. Nat. **87**: 503–514; Notre Dame.

– (1973): Ionic content of the haemolymph in *Porcellio laevis*. – Comp. Biochem. Physiol. **44 A**: 47–54; London.

– (1981): Haemolymph pressure regulation in *Porcellio laevis*. – Archs int. Physiol. Biochim. **89**: 295–301; Liège.

– (1983): Oxygen consumption and haemolymph pressure measurements in *Armadillidium vulgare*. – J. crust. Biol. **3**: 25–33; Lawrence.

– (1984): Haemodynamics in terrestrial Isopoda. – Symp. zool. Soc. London **53**: 217–232; London.

– (1991): Effects of temperature and copper and nickel accumulations on the metabolic rate and membrane electrical potential of the hepatopancreas cells of *Oniscus asellus*. – *In*: JUCHAULT, P. & MOCQUARD, J.(eds.): The Biology of Terrestrial Isopods III. Proceedings of the Third International Symposium on the Biology of Terrestrial Isopods, pp. 149–155; Poitiers.

ALIKHAN, M. & PANI, A. (1989): Magnesium and manganese uptake and accumulation in the body tissue and their effect on the oxygen and nitrogen metabolism in *Porcellio spinicornis*. – Monitore zool. ital. (N. S.) Monogr. **4**: 211–225; Florence.

ALIKHAN, M. & SALEEM, M (1977): The role of phosphomonoesterases in the development and the moult cycle in *Porcellio laevis*. – Zool. Pol. **26**: 176–185; Lwow.

ALIKHAN, M. & STORCH, V. (1990): Copper and nickel uptake and accumulation, and their effects on redox and electrical potentials of hepatopancreatic cells of *Oniscus asellus*. – Can. J. Zool. **68**: 651–655; Ottawa.

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ALLSPACH, A. (1987): Zum Vorkommen von *Armadillidium nasatum* in der Bundesrepublik Deutschland. – Hess. faun. Briefe **7**: 20–27; Darmstadt.
– (1989): Neunachweise von vier Landasselarten für Deutschland. – Stuttg. Beitr. Naturk. (Ser. A) 436: 8 pp.; Stuttgart.
– (1992): Die Landasseln Hessens. – Natursch. heute **12**: 1–146; Wetzlar.
– (1996): The terrestrial isopods of the Bükk National Park. – *In*: The Fauna of the Bükk National Park, pp. 71–74; Budapest.
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– (1960 b): South American terrestrial isopods in the collection of the Swedish State Museum of Natural History. – Ark. Zool. **12**: 537–570; Uppsala.
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– (1985 b): Deux nouvelles espèces cavernicoles du genre *Trichoniscus* de Bulgarie. – Acta zool. bulg. **27**: 46–51; Sofia.
– (1986 a): *Cordioniscus bulgaricus* sp. n. – premier représentant de la famille Styloniscidae en Bulgarie. – Acta zool. bulg. **31**: 67–70; Sofia.
– (1986 b): Contribution à l'étude des isopodes terrestres de la Grèce. 3. Sur trois nouvelles espèces des genres *Cordioniscus*, *Alpioniscus* et *Trichoniscus* et nouvelles données sur les isopodes terr. – Biol. gallo-hellen. **11**: 153–164; Athens.
– (1997): Contribution à l'étude des isopodes terrestres de Grèce. 6. *Cordioniscus kalimnosi* n. sp. – Hist. nat. bulg. **7**: 13–16; Sofia.
– (1998): Bulgarian endemic species of Isopoda. Balkan endemic species of Isopoda. Rare species of Isopoda. – *In*: MEINE, C. (ed.): Bulgaria's biological Diversity: Conservation Status and Needs Assessment. Appendix 12, 13 and 14: pp. 132–133; Sofia.
– (2000): Aperçu sur le genre *Trichoniscus* en Bulgarie et description d'une nouvelle espèce – *Trichoniscus garevi* n. sp. – Hist. nat. bulg. **11**: 39–46; Sofia.
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tion minérale des sclerites d'une espèce d'isopode marin et de quatre espèces d'isopodes terrestres oniscoides. – IFREMER, Actes de Colloques **8**: 39–45; Issy-les-Moulineaux.

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– & – (1994 b): Two new species of terrestrial Isopoda from southern Brasil. – Spixiana **17**: 269–274; Munich.

– & – (1996 a): Occorrência de *Nagurus* no sul do Brasil. – Nauplius **4**: 161–163; Rio Grande.

– & – (1996 b): Novos registros e uma espécie nova de *Trichorhina* do sul do Brasil. – Revista brasil. Zool. **13**: 799–810; São Paulo.

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ARAUJO, P. DE & LEISTIKOW, A. (1999): Philosciids with pleopodal lungs from Brazil, with descriptions of a new species. – Contr. Zool. **68**: 109–141; The Hague.

ARAUJO, P. DE & ZARDO, C. (1996): Uma nova espécie de *Balloniscus* do sul do Brasil. – Revista brasil. Zool. **12**: 785–790; São Paulo.

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– (1910 b): *Armadillidium Gestroi*. Contributo alla migliore conoscenza di questo isopode italiano. – Monitore zool. ital. **21**: 13–27; Florence.

– (1911): Sopra due specie di *Armadillidium* della fauna italiana. – Memorie Soc. tosc. Sci. nat. **27**: 187–204; Pisa.

– (1913): Isopodi terrestri nuovi o poco noti di Italia. – Monitore zool. ital. **24**: 183–202; Florence.

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– (1914 b): La collezione di isopodi terrestri del R. Museo di Zoologia degli Invertebrati di Firenze. – Atti Soc. ital. Sci. nat. **52**: 445–486; Milano.

– (1921): Note isopodologiche. Il genere *Platyarthrus*. – Atti Soc. ital. Sci. nat. **60**: 189–210; Milano.

– (1922 a): Isopodi terrestri del Museo Zoologico della R. Università di Napoli. – Annuar. Mus. zool. R. Univ. Napoli (N. S.) **5**: 1–8; Naples.

– (1922 b): Primo contributo alla fauna degli isopodi degli Astroni. – Annuar. Mus. zool. R. Univ. Napoli (N. S.) Suppl. **10**: 1–2; Naples.

– (1923 a): Revisione del gruppo degli haplophthalmi, isopodi terrestri. – Archo zool. ital. **10**: 259–322 and plates 7–8; Naples.

– (1923 b): *Cylisticus Pierantonii*, nuova specie di isopodo dell'humus. – Boll. Musei Zool. Anat. comp. r. Univ. Torino (N. S. N. 2) **38**: 1–4; Torino.

– (1923 c): Caratteri sessuali secondari e conformazione dell'apparato copulatore di *Philoscia elongata* nel periodo riproduttivo. – Boll. Musei Zool. Anat. comp. r. Univ. Torino (N. S. N. 3) **28**: 1–7 and plate 1; Torino.

– (1923 d): *Armadillidium zangherii*, nuova specie di isopodo terrestre italiano. – Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici **17**: 131–136 and 1 plate; Portici.

– (1924 a): Per una migliore conoscenza della fauna iopodologica della Libia. – Monitore zool. ital. **35**: 223–233; Florence.

– (1924 b): Contributo alla conoscenza degli isopodi della Catalogna. – Trab. Mus. Cienc. nat. Barcelona **4**: 3–29 and plates 1–5; Barcelona.

– (1924 c): Osservazioni sopra l'exopodite dei pleopodi del genere *Tracheoniscus*. – Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici **17**: 176–186; Portici.

– (1924 d): Gli isopodi terrestri della Sardegna. – Boll. Musei Zool. Anat. comp. r. Univ. Torino **39**: 13–75 and plates 4–5; Torino.

- (1925 a): Ermafroditismo e partenogenesi negli isopodi terrestri (prima nota). – Monitore zool. ital. **36**: 105–122; Florence.
- (1925 b): Isopodi terrestri della Spagna settentrionale ed orientale, raccolti dal Dr. F. Haas negli anni 1914–1919. – Abh. senckenb. naturforsch. Ges. **39**: 131–137; Frankfurt/Main.
- (1926 a): Contributo alla conoscenza della fauna isopodologica delle terre circonstanti all'alto Adriatico. – Atti Mus. civ. Stor. nat. Trieste **11**: 1–62; Trieste.
- (1926 b): Zoologische Ergebnisse einer Reise nach den Pelagischen Inseln und Sizilien. 8. Isopoda. – Senckenbergiana **8**: 265–270; Frankfurt/Main.
- (1927 a): *Paraperiscyphis Caligarii* nuova specie di isopodo terrestre di Sumatra. – Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici **20**: 79–82; Portici.
- (1927 b): Isopodi terrestri raccolti nell'Estremo Oriente dal Prof. Filippo Silvestri. – Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici **20**: 169–211; Portici.
- (1927 c): Revisione dei generi degli isopodi terrestri. I[a] nota. Sopra alcuni generi di Africa e di America. – Atti Soc. ital. Sci. nat. **66**: 126–141; Milano.
- (1927 d): Osservazioni sopra l'apparato copulatore degli isopodi terrestri. – Ric. Morf. Biol. anim. **1**: 3–41.
- (1928): *Ligidium Ghigii* n.sp. – Boll. Musei Lab. Zool. Anat. comp. r. Univ. Genova **8**: 1–2; Genoa.
- (1929 a): Ricerche faunistiche nelle isole dell'Egeo. Isopodi. – Archo zool. ital. **13**: 259–268; Naples.
- (1929 b): Specie nuove o poco note del genere *Periscyphis* ed osservazioni sulle cavità incubatorie degli isopodi terrestri. – Annuar. Mus. zool. R. Univ. Napoli **5**: 1–20 and plate 7; Naples.
- (1929 c): Isopodi terrestri raccolti nel 1925 in Italia dal Dr. E. Dudich ed esistenti nel Museo Nazionale Ungherese (Budapest). – Annls hist.-nat. Mus. natn. hung. **26**: 60–71 and plate 1; Budapest.
- (1929 d): Pseudalbinismo in isopodi e fattori dello stesso. – Natura, Milano **20**: 1–8; Milano.
- (1929 e): Isopodi terrestri raccolti in Cuba dal Prof. F. Silvestri. – Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici **23**: 129–148; Portici.
- (1930 a): Isopodi terrestri raccolti nelle Isole Canarie dal Prof. Filippo Silvestri. – Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici **24**: 82–91; Portici.
- (1930 b): Contributo alla conoscenza del „micorgenton" di Costa Rica. – Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici **25**: 1–29; Portici.
- (1931 a): Gli isopodi italiani che sono stati finora erroneamente diagnosticati come *Porcellio monticola* e *Porcellio lugubris*. – Boll. Lab. Zool. agr. Bachic. R. Ist. sup. agr. Milano **3**: 1–23; Parma.
- (1931 b): *Circoniscus Bezzii*, nuova specie di isopodo terrestre del Brasile. – Boll. Zool. **2**: 115–122; Naples.
- (1931 c): Sul rapporto numerico dei sessi negli isopodi terrestri. – Boll. Musei Zool. Anat. comp. r. Univ. Torino **41**: 1–34; Torino.
- (1931 d): L'ermafroditismo negli isopodi terrestri. – Archo zool. ital. **17**: 165–256; Naples.
- (1931 e): *Musoniscus romanorum*, nuovo genere e nuova specie di isopodo terrestre di Cirenaica. – Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici **25**: 39–43; Portici.
- (1931 f): Due nuove specie del genere *Rhyscotus*. – Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici **25**: 30–38; Portici.
- (1932 a): *Tracheoniscus Pierantonii* n. sp. Nuovo isopodo umicolo del Trentino. – Annuar. Mus. zool. R. Univ. Napoli (N. S.) **6**: 1–3; Naples.
- (1932 b): Primo contributo alla conoscenza degli isopodi del Parco Nazionale del Gran Paradiso. – Boll. Musei Zool. Anat. comp. r. Univ. Torino **42**, No. 22: 1–18 and 6 plates; Torino.
- (1932 c): *Synarmadilloides roccatii* è sinonimo di *Gerutha pila*. – Boll. Musei Zool. Anat. comp. r. Univ. Torino **42**, No. 17: 1–2; Torino.
- (1932 d): Isopodi terrestri di Dominica (Piccole Antille). – Boll. Musei Zool. Anat. comp. r. Univ. Torino **42**, No. 18: 1–5 and 4 plates; Torino.
- (1932 e): Sopra alcune specie di *Hemilepistus*. – Boll. Musei Zool. Anat. comp. r. Univ. Torino **42**, No. 25: 1–10 and 1 plate; Torino.

- (1932 f): Escursione zoologica all'oasi di Marrakesch nell'aprile 1930. Isopodi terrestri. – Boll. Zool. **3**: 225–232 and plate 2; Naples.
- (1932 g): Considerazioni sopra la validità dei nomi generici *Armadillo*, *Armadillidium*, *Oniscus*, *Porcellio*. – Boll. Zool. **3**: 123–127; Naples.
- (1932 h): Sopra i caratteri che si debbono prendere in considerazione nel descrivere le specie di isopodi terrestri. Le amenità di un isopodologo. – Boll. Zool. **3**: 273–284; Naples.
- (1932 i): Isopodi terrestri raccolti dal Prof. Silvestri nel Nord-America. – Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici **26**: 121–141; Portici.
- (1932 k): Isopodi terrestri raccolti in Somalia dal Dott. Guiseppe Russo. – Boll. Lab. Zool. gen. agr. R. Scuola Agric. Portici **26**: 47–50; Portici.
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Authors' address:

Dr. HELMUT SCHMALFUSS, Dr. KARIN WOLF-SCHWENNINGER, Staatliches Museum für Naturkunde (Museum am Löwentor), Rosenstein 1, D-70191 Stuttgart, Germany;
e-mail: schmalfuss.smns@naturkundemuseum-bw.de.

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